

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD-STEAMERS.

Port of Survey
Date of Survey 19-2-31.
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
M.V. FUSIJAMA. (TWIN SCREW)	TRIESTE. ITALIAN.			1929.	+100 A.1.
Number in Register Book					

Moulded dimensions 430.0 x 55.25 x 30.21
Moulded displacement at a moulded draught of 85 per cent. of moulded depth NOT YET RECEIVED.
Coefficient of fineness for use with tables

DEPTH FOR FREEBOARD.

Moulded depth	30.21.
Stringer plate	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	✓
Depth D =	30.25

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$
 $(D - \frac{L}{15}) \times R = (30.25 - 28.67) \times 3.0 = +4.74.$
(b) When D is less than $\frac{L}{15}$ (if allowed).
 $(\frac{L}{15} - D) \times R = \dots$
If restricted by height of superstructures

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	6.00 Height. 7.50	Correction for Height.	Effective Length.	49.00 21.00 3.00 -	53.00 23.58 5.83 -	1 3 3 1	49.00 63.00 9.00 -	53.00 70.74 17.49 -
Poop enclosed	35.00	35.00	8'-0"	✓	35.25.				121.00	141.23
" overhang	.50	.25.							$= \frac{121}{141.23} = 85.70\%$	
R.Q.D. enclosed										
" overhang										
Bridge enclosed	279.00	279.00	8'-0"	✓	281.75.					
" overhang aft	2.20	1.65								
" overhang forward	2.20	1.10.								
43.0 F'cle enclosed	43.00	43.00	8'-0"	✓	43.25.					
" overhang	.50.	.25.								
Trunks forward										
" aft										
Tonnage opening										
TOTAL =	362.40	360.25			360.25					
Length of ship (L) =	430.0	430.0			430.0.					
% Covered ... =	84.30%	83.80%			83.80%					
Corresponding %, corrected for absence of forecastle if required } A =					B = 80.01%					
Allowance ... =	42.00				x .8001.					
					= -3360					
					Correction for Bridge less than .2L if required } .65L.					

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	49.00	53.00	49.00	1	49.00
2	21.00	23.58	21.00	4	84.00
3	3.00	5.83	3.00	2	6.00
4	-	-	-	4	-
5	18.00	11.66	18.00	2	36.00
6	51.00	47.16	51.00	4	204.00
F.P. 7	121.00	106.00	121.00	1	121.00

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = defective 85.70%
Standard sheer aft
Actual sheer forward = excess.
Standard sheer forward

Length of enclosed superstructure L

Forward of amidships = .32 L
Aft of amidships = .33 L.

Mean effective sheer ... = 27.78
Standard sheer .05L + 5 = 26.50
Difference (Df) ... = 1.28
Allowance = $Df \times \left(.75 - \frac{S}{2L} \right) = 1.28 \times .3285 = .4205.$
If limited on account of amidship superstructure ... = ✓
If limited on account of excess sheer (1½ in. per 100 ft.) ... = ✓

ROUND OF BEAM.

Standard	13.26.
Ship	13.85.
Difference	.59
Restricted to	
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) = \frac{.59}{4} \times .162 = -.02$	

TABULAR FREEBOARD (corrected for flush deck if required) = 80.90

Corrected for Coefficient $\frac{+ .68}{1.36} =$

Correction for Length ... 4.74
Superstructures ... 33.60
Sheer42
Round of beam02
Thickness of deck
Scantlings, etc.
Statutory deck line

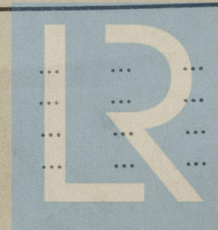
+	-
4.74	-
-	33.60
-	.42
-	.02
✓	✓
✓	✓
4.74	34.04

Summer Freeboard = -29.30.

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

Fresh Water Line	above centre of Disc	
Indian Summer Line	"	
Winter Line	below	
Winter North Atlantic Line	"	

1906 FBDS { S = 4'-11"
W = 5'-4 3/4"



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